PathSensors Zephyr System
Operator’s Manual

IDENTIFYING PATHOGENS AT THE SPEED OF LIGHT

VERSION 2.0
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2. **System Overview**

The Zephyr system is a device consisting of instrumentation, disposables and reagents designed for the rapid and sensitive detection of pathogens from liquid samples or extracts. CANARY® biosensors luminesce when in contact with the pathogens, and this response is recorded by the luminometer over a 60 - 120 second time frame.

The following manual describes the Zephyr system in more detail and provides instructions for setting instrumentation up, as well as performing QC and sample assays.

3. **Authorized Use Permission**

Personnel should be trained prior to processing any samples. Failure to properly train personnel could result in loss of samples and/or inaccurate results.

4. **Points of Contact**

Customer Service / Technical Support:
Phone: 443/557-6150
Email: csupport@pathsensors.com

5. **System Restrictions**

A set of one positive and one negative quality control (QC) standards must be assayed every eight hours or prior to running a valid sample test. Unless the requirement for quality controls is specifically deselected, the system will only allow QC samples to be processed until QC has been passed.

The Zephyr system may be run in Operator closed or open mode based on the discretion of the Administrator. In open operator mode any operator ID, as long as it is between 1-32 alpha-numeric characters long, may be used to initiate running an assay. In closed operator mode operator IDs must have been previously entered into an authorized operator list by the Administrator prior to that operator ID being used to initiate running an assay.
6. SYSTEM SET-UP

6.1. SYSTEM OVERVIEW

The Zephyr instrument consists of a touch screen PC, a Berthold Sirius luminometer, mini-centrifuge, PowerUSB relay box, and a barcode reader, as well as their connecting cables and power cords. International versions include a power converter to adjust the electrical current to U.S. specifications.

6.2. ZEPHYR SYSTEM PARTS INVENTORY (BENCH TOP SYSTEM)

The Benchtop Zephyr system consists of the following primary parts:

- Touch-screen PC
- Sirius Luminometer
- Mini-centrifuge
- PowerUSB relay box
- Barcode scanner
- Rotator (optional)
- Magnetic rack (optional)
- Balance tubes
- Power Supplies / Cords
  - Luminometer power cord
  - Centrifuge power cord
  - PC power cord
  - International 110V power transformer (for non-U.S. based setup)
- Connection Cables
  - Serial to USB converter (PC to Luminometer)
  - USB cable (PC to PowerUSB box)

6.3. SETTING UP THE ZEPHYR SYSTEM (BENCH TOP ZEPHYR SYSTEM)

The Zephyr packaging contain the following:

- Laptop computer & power cord
- PowerUSB with USB cable to computer
- Micro-centrifuge (Tomas, Argos, Scilogex, or other specified model)
There are color-coded connections to simplify the process of assembling the Zephyr system. The diagram below also displays the system setup. Proper performance of the system requires correct setup. The blue box on the far left (Power Converter) is only necessary for international units.

NOTE 1: The 'Power converter' in the above diagram is only necessary for international installations. U.S. based installations do not require a converter, and the power strip can be plugged directly into a wall outlet.

6.4. **Rotator Setup**

The rotator is an optional item required for certain assay types. If the system has a rotator supplied, this can be connected directly to a normal 120v wall socket. It is operated manually by the technician, and does not directly interface with the primary Zephyr system.
7. **System Start-Up and Self-Diagnostic Tests**

The Zephyr system runs a series of self-diagnostic tests each time the Zephyr software is started. Zephyr software start-up and initial self-diagnostic tests are described below.

The Zephyr software is started by double tapping on the Zephyr icon on the PC computer screen. This will bring up the Zephyr start screen as shown to the left.

Touching the right arrow will advance to the next screen.

The first self-diagnostic run by the Zephyr system is a hardware check to confirm that both the luminometer and centrifuge are connected.

An Error Alert will be generated if either the luminometer or centrifuge is not detected by the computer.

Please confirm that the centrifuge is empty (no tubes) and lid is closed prior to Zephyr software start-up to avoid generating an Error Alert.

The second self-diagnostic run by the Zephyr system is a check for appropriate background light levels being emitted from the luminometer. This check requires that the user open and close the luminometer door to initiate data output from the luminometer to the computer. The user is prompted to open luminometer door…
… and then to close the luminometer door.

Luminometer background levels are checked for 12 seconds. If background levels are acceptable the software will automatically take the user to the Home screen. If luminometer background levels are not acceptable an Error Alert will be generated. Reference the Error Messages section of this document if an error should occur.

Operator is returned to the Home Screen if background check is successful.
8. **USER INTERFACE**

The user interface for the Zephyr system is provided via the Zephyr program installed on the provided touch screen computer. Five screen types are used. These screen types include the Home screen, Data Entry screens, In-process screens, Error Alert screens and Results Report screens. On all types of screens the blue forward arrow allows the user to precede to the next screen, the blue backwards arrow moves the user to the previous screen and red X buttons abort the assay.

8.1. **HOME SCREENS**

The Home screen is displayed when the instrument is ready to begin running an assay. It also allows access to Administrator functions and the Reconstitution process.

8.2. **DATA ENTRY SCREENS**

Data entry screens require input from the operator in order to progress through the assay or to the next screen. There are two sub-types of data entry screens. The first screen is an open format screen and will accept any alpha-numeric input, from 1 to 32 characters in length. The second screen is a closed format screen and only will accept input formatted specifically as is found on PathSensors supplied barcodes. Cartridge barcode information may be entered by scanning the barcode or by typing in the numerical sequence encoded by the barcode. Data may be entered into either type of screen through a standard keyboard, an on-screen keyboard, or the barcode scanner. If a mistake in data entry is made the backwards arrow may be used to return to the previous screen where the data entry sequence may be started again.
8.3. **In-Process Screens**

In-process screens guide the user throughout the assay. Some in-process screens provide information for the user to review before proceeding with the assay, some in-process screens instruct the user what to do next and some in-process screens inform the user of the status of a given assay step. Examples of each type are shown below.

Example of an informational in-process screen. The screen provides information that the user should review before proceeding.

Example of an instructional in-process screen. The user is being instructed to take an action before proceeding.

Example of a status in-process screen. The user is being informed that the centrifugation step in process has 4 remaining seconds.
8.4. **Error Alert Screens**

Error Alert screens throughout the Zephyr program inform the user when a hardware, software, process or data entry error has occurred.

8.5. **Results Report Screens**

After either QC or normal samples have been run through the software, a Results screen is shown. An example Results screen is displayed below. On the page the user is offered an option to print results or return to the Home page.
9. **Administrator Functions**

Administrator functions are accessed by selecting the Admin icon on the Zephyr Home screen.

Administrator functions are password protected. The authorization password will be supplied to the Administrator by PathSensors and cannot be changed.

9.1. **Entering or Deleting Operator IDs**

The Zephyr system may be set to run in either closed or open Operator Mode. Closed operator mode allows the Administrator to restrict use of the system to only pre-set authorized users. The Administrator may add up to 30 authorized users to the operator ID list or may remove previously authorized users using the add or delete buttons located above the Open Operators Mode button (shown circled in red). In open Operator mode any user ID between 1-32 alpha-numeric characters in length may be used to run the assay.
9.2. **Report Header Information**

Information to be displayed on printed Results reports may be entered by the Administrator where indicated by the red circle.

9.3. **Centrifuge Selection**

The Admin screen is also used to select the type of centrifuge that is included with the instrumentation. The current choices are 'Tomas' and 'Argos'. This is a required setting due to the fact that each centrifuge requires slightly different settings for control of the 'start' and 'stop' functions.

9.4. **Fresh/Frozen Cell Reconstitution Selection**

Cell reconstitution requirements can be set with this checkbox. If checked, the software will require all assay types to have a cell reconstitution step performed prior to running a new biosensor tube lot.
9.5. **Quality Control Selection**

Quality Control is enforced by the Zephyr software when this checkbox is checked and will require both a positive control and a negative control to pass in the previous 12 hours prior to permitting a valid ‘Sample’ test.

9.6. **Exporting Diagnostic Files**

The Administrator screen also allows administrative personnel to export configuration and log files to a location of their choice. These files are to be sent to PathSensors technicians for review when troubleshooting issues that may occur with the Zephyr system. This function should only be used when requested by PathSensors personnel.
10. **RUNNING A TEST (SAMPLE OR QC)**

Tap the “Run 1-Sample Test” button.

Scan or enter your Operator ID.

Scan or enter the Cartridge ID, located on the cartridge tube of prepared biosensors (or Assay ID barcode if supplied separately, see section 12.3).
The biosensor cartridge barcode encodes the assay type (target of test) and expiration date of the biosensor reagent. Review the biosensor cartridge information in the green rectangle and confirm its accuracy. The select the appropriate sample type (true sample, positive control, or negative control).

Use the forward arrow to advance to the next screen. If the wrong ID has been entered press the back (left) arrow and re-enter.

Enter or scan the Sample ID. The Sample ID may be any alphanumeric combination from 1 to 32 characters in length. Touch the forward arrow to advance to the next screen.

At this point in the assay biosensors are added to the sample.

Place the sample and a balance tube in the centrifuge and close the lid. Touch the forward arrow to start the spin.
The spin timer starts automatically for a 5 second impaction spin.

Once the biosensors have been impacted with the Sample, the Sample must be transferred to the luminometer within 8 seconds. The Transfer timer will turn red and an audible alarm will sound with 5 seconds remaining. If the transfer is not completed within the 8 seconds, the assay will be aborted.

Recording and graphing of light emission in Relative Luminescent Units (RLU) over time begins and ends automatically.

The user is then prompted to remove the used Sample tube from the luminometer.

When the sample read is complete the sample’s result screen will appear automatically. Touch the home button to return to the home screen.
Rotator Usage

For assays which require the rotator, the screen to the left is the first screen you will see prior to loading the tubes into the rotator. Follow the instructions on the screen, load the samples into the rotator according to the Assay Protocol specification, turn the rotator on, and press the ‘Start Timer’ button to begin the rotator timer.

Once the ‘Start Timer’ button is pushed, an on-screen timer with graphical indication will be displayed which shows the amount of time remaining for the rotation.

When the timer is complete, the screen to the left will be shown. Follow the instruction on-screen to remove the tube from the rotator, and click the right-arrow (Next) button to continue the assay process.
11. QC PROTOCOL

QC Protocols are supplied as separate documentation for each assay type.
12. **SAMPLE PROTOCOL**

Samples can be obtained from many sources, including surface swabs, cultures, washes, etc.; such methods are not addressed in this manual.

Recommended sample Protocols are supplied in assay kits.
13. MISCELLANEOUS

13.1. BARCODES

NOTE: Anywhere a barcode is required, the technician can enter the barcode number in the on-screen fields (if, for example, the barcode itself becomes unreadable by the scanner).

Operator ID Barcode:

The Operator ID barcode is simply a method of quick entry for often used operator IDs. Barcodes can be created for each known Operator of the system, saving the operator the time required to type in an Operator ID for each test.

Cartridge ID Barcode:

The Biosensor Cartridge ID barcode encodes the following information:

- Type of assay being run (target pathogen)
- Software version required
- B-Cell lot number
- Assay buffer lot number
- Tube number (for uniqueness)
- Checksum to verify the accuracy of the barcode

NOTE: Please contact PathSensors for further information regarding on-site barcode generation.

13.2. LAB / DEVELOPMENT USE CASES

In certain laboratory research and development use cases, it may be more efficient to run Zephyr in a setup which provides a higher-level throughput at the cost of reduced oversight of the quality control. This can be achieved through deselecting the ‘Required’ checkboxes in the Administrator screen for QC Process and Cell Reconstitution. Additionally, there are special Cartridge ID barcodes that can be used on a repeated basis that do not contain expiration dates.

When set up in this manner, the Zephyr system can process several tests equivalent to a manual luminometer system, while at the same time providing better data archiving, automatic centrifuge control, and time checks to ensure each stage of the assay occurs in each time period.

It will be the responsibility of laboratory personnel to ensure that any necessary reconstitution procedures are followed and to perform quality control tests outside of the guidance of the Zephyr
system. Additionally, if using the lab-only Cartridge ID barcodes, the researcher will need to use adequate Sample ID labelling to ensure that the data accumulated can be accurately assessed.

*It must be emphasized that this type of setup should only be used in a Research &/or Development laboratory setting.*

13.3. **DATA ARCHIVE & RETRIEVAL**

In typical installations, the researcher may review actual data curves from the tests by making copies of the CSV (comma separated value) files that are located in the UserData folder in the primary Zephyr folder. These files should be copied to another location prior to review so that inadvertent alterations are not made to the files. The primary ‘Zephyr’ folder is normally placed either on the desktop or at the top level of the C: drive.

There may be many files in the UserData directory. One will be named “AllTests-ZephyrDataRuns.csv” – this file contains the light output and results data from every test that has occurred on the system. The other files in the directory will be named “CARTRIDGE_ID-ZephyrDataRuns.csv” where CARTRIDGE_ID is replaced with the actual Biosensor Cartridge ID that was entered for the test. This enables the researcher to more easily pull out specific data for a specific assay type or sequence of types.

**NOTE:** CSV files can typically be opened with Excel on most Windows based computer systems.
14. **SYSTEM MAINTENANCE AND TROUBLE SHOOTING**

14.1. **RESTART/RECOVERY PROCEDURES**

In the event of a system failure first shut down the computer and then power off the rest of the system components. Wait a few moments and then re-start the computer. When the computer has fully re-started turn on the remaining system components. Restart the Zephyr software.

In the event of re-occurring errors contact a PathSensors, Inc. technical service representative.

14.2. **RECOMMENDED MAINTENANCE**

PathSensors recommends yearly maintenance tests be run on the Zephyr system. These tests include confirmation of centrifuge speed and luminometer output, a review of QC and error logs by a PathSensors technician, as well as software and driver upgrades as applicable. Please contact your PathSensors Technical Service Representative for more information or to schedule a maintenance call.
## 14.3. Error Messages

<table>
<thead>
<tr>
<th>Error Message</th>
<th>Possible Cause</th>
<th>Correction Procedure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Berthold device not found.</td>
<td>USB cord from luminometer not connected to the PC</td>
<td>Connect the USB cable to the luminometer and the PC</td>
</tr>
<tr>
<td></td>
<td>Luminometer is not plugged into an electrical outlet</td>
<td>Plug in luminometer</td>
</tr>
<tr>
<td></td>
<td>Luminometer is not turned on</td>
<td>Turn the luminometer on using switch on back panel or power strip</td>
</tr>
<tr>
<td></td>
<td>Luminometer is not operating properly</td>
<td>Restart the system; if problem persists contact PathSensors for technical service</td>
</tr>
<tr>
<td>Centrifuge device is not found.</td>
<td>USB cord on PowerUSB not connected to the computer</td>
<td>Connect the USB cable to the computer</td>
</tr>
<tr>
<td></td>
<td>PowerUSB not plugged into an electrical outlet</td>
<td>Plug the PowerUSB into an electrical outlet</td>
</tr>
<tr>
<td></td>
<td>PowerUSB not operating properly</td>
<td>Restart the system; if the problem persists contact PathSensors for technical service</td>
</tr>
<tr>
<td></td>
<td>PowerUSB not turned on</td>
<td>Turn the PowerUSB on</td>
</tr>
<tr>
<td></td>
<td>Centrifuge lid not fully close</td>
<td>Completely close centrifuge lid</td>
</tr>
<tr>
<td>Reader background average is too high.</td>
<td>Contamination of sample holder and/or measurement chamber with</td>
<td>Clean sample holder and measurement chamber</td>
</tr>
<tr>
<td>Contact technical support for assistance.</td>
<td>luminescent material</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Sample has been left in luminometer</td>
<td>Remove sample</td>
</tr>
<tr>
<td></td>
<td>Luminometer beyond sample chamber is contaminated with luminescent</td>
<td>Service required, contact PathSensors.</td>
</tr>
<tr>
<td></td>
<td>material</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Blind screw on top of the instrument not tightened</td>
<td>Check the blind screw and tighten</td>
</tr>
<tr>
<td></td>
<td>Luminometer is malfunctioning</td>
<td>Restart the system; if problem persists contact PathSensors for technical service</td>
</tr>
<tr>
<td>Reader background average is too low.</td>
<td>Luminometer door is open during background reading</td>
<td>Shut the luminometer door and restart the background check</td>
</tr>
<tr>
<td>Contact technical support for assistance.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Error Description</td>
<td>Possible Cause</td>
<td>Recommended Action</td>
</tr>
<tr>
<td>-------------------</td>
<td>----------------</td>
<td>--------------------</td>
</tr>
<tr>
<td>Luminometer is malfunctioning</td>
<td></td>
<td>Restart the system. If problem persists contact PathSensors for technical service.</td>
</tr>
<tr>
<td>Reader background maximum is too high. Contact technical support for assistance.</td>
<td>Luminometer is malfunctioning</td>
<td>Restart the system. If problem persists, contact PathSensors for technical service</td>
</tr>
<tr>
<td>Quality Controls not passed in past 12 hours. Only QC tests are permitted.</td>
<td>QC has not been run or QC samples have not passed in the previous 8 hours</td>
<td>Run QC samples</td>
</tr>
<tr>
<td>Invalid Password Entered</td>
<td>An invalid password was entered when trying to access Administrator functions</td>
<td>Enter the correct Administrator password; if the password is lost or unknown contact PathSensors for technical service. Use the back button to exit the screen.</td>
</tr>
<tr>
<td>Invalid Cartridge ID Length</td>
<td>The barcode on the cartridge ID does not have the proper number of characters or was entered incorrectly.</td>
<td>Try re-entering barcode or contact PathSensors for correct Cartridge ID</td>
</tr>
<tr>
<td>Invalid Cartridge ID Checksum</td>
<td>The barcode on the cartridge has an encoding error or was entered incorrectly.</td>
<td>Try re-entering barcode or contact PathSensors for correct Cartridge ID</td>
</tr>
<tr>
<td>Invalid Cartridge ID assay type</td>
<td>The assay type defined in the barcode is not one of the available assay types, customer has wrong type of cartridge, ID was entered incorrectly.</td>
<td>Scan or re-enter the correct assay cartridge or contact PathSensors to obtain the needed assay cartridge</td>
</tr>
<tr>
<td>Encoding error on cartridge ID</td>
<td></td>
<td>Contact PathSensors for correct cartridge ID</td>
</tr>
<tr>
<td>Incorrect upper/lower case of alpha characters in barcode</td>
<td></td>
<td>Verify that the caps lock key is not depressed on the laptop</td>
</tr>
<tr>
<td>This type of cartridge requires a newer version of this software package</td>
<td>The current software does not have the assay type included in the version you are running</td>
<td>Contact PathSensors customer service to install the newest software version.</td>
</tr>
<tr>
<td>Transfer time exceeded. Test aborted.</td>
<td>The time to transfer the sample from the centrifuge to the luminometer was &gt; 8 seconds</td>
<td>Discard sample, obtain another sample and rerun the test</td>
</tr>
<tr>
<td>Operator ID must contain at least one character</td>
<td>The Operator ID field was left blank</td>
<td>Enter a valid Operator ID</td>
</tr>
<tr>
<td>Issue</td>
<td>Description</td>
<td>Resolution</td>
</tr>
<tr>
<td>----------------------------------------------------------------------</td>
<td>----------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Operator ID not found in authorized list</td>
<td>The Operator ID does not appear in the permitted operator list when the system is run in closed operator mode</td>
<td>Enter an approved Operator ID, have an administrator add Operator ID to operator list or run the system in open operator mode (text is case sensitive)</td>
</tr>
<tr>
<td>Algorithm coefficients load error</td>
<td>There was a problem with the software loading the coefficients file.</td>
<td>Restart the software; if the problem persists contact PathSensors.</td>
</tr>
<tr>
<td>Algorithm coefficients file format error</td>
<td>There was a problem with the internal contents of the coefficients file, possible file corruption</td>
<td>Restart the software; if the problem persists contact PathSensors to get software re-installed</td>
</tr>
<tr>
<td>Centrifuge spin was stopped early. Test has been aborted.</td>
<td>The centrifuge was opened prematurely during a spin</td>
<td>Discard sample, obtain another sample and rerun the test</td>
</tr>
<tr>
<td>Data dropout occurred. Test has been aborted. Contact Technical Support for assistance</td>
<td>The luminometer ceased communications with the computer</td>
<td>Discard the sample, restart the system, obtain another sample and rerun the test. If the problem persists contact PathSensors for technical service.</td>
</tr>
<tr>
<td>Centrifuge spin time exceeded. Test will be aborted</td>
<td>The centrifuge did not properly stop at the required time.</td>
<td>Contact PathSensors for technical service</td>
</tr>
<tr>
<td>Test aborted by User. Please remove any tubes from centrifuge and reader and discard.</td>
<td>Abort button was pressed by user.</td>
<td>Follow on screen instructions</td>
</tr>
<tr>
<td>Centrifuge is still open. Please close centrifuge.</td>
<td>User attempted to start a centrifuge spin step in the software, but the centrifuge lid was left open</td>
<td>Close the centrifuge lid</td>
</tr>
<tr>
<td></td>
<td>Centrifuge or relay module is not connected, turned on or functioning properly</td>
<td>Check connections between centrifuge, relay and computer. If problem persists contact PathSensors for technical service.</td>
</tr>
<tr>
<td>Maximum number of operators in database. Please delete an operator before adding another.</td>
<td>The operator list already contains the maximum number of operators (30).</td>
<td>Delete an operator before adding a new operator</td>
</tr>
<tr>
<td>Reader door opened during test. Test has been aborted.</td>
<td>The luminometer door was opened during the test, so the test must be aborted.</td>
<td>Discard sample, obtain another sample and rerun the test</td>
</tr>
<tr>
<td>Issue</td>
<td>Description</td>
<td>Resolution</td>
</tr>
<tr>
<td>----------------------------------------------------------------------</td>
<td>-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Reader data dropout limit exceeded. Contact technical support for assistance.</td>
<td>Intermittent communications problem between luminometer and computer</td>
<td>Discard sample. Restart the system, if the problem persists contact PathSensors technical Support</td>
</tr>
<tr>
<td>Sample ID must be at least one character in length.</td>
<td>User attempted to advance to the next screen without entering at least 1 alphanumeric character for a sample ID</td>
<td>Enter a sample ID at least one alphanumeric character in length</td>
</tr>
<tr>
<td>DPI Setting incorrect. Contact Technical Support for assistance</td>
<td>The resolution DPI of the computer is not set to a supported value.</td>
<td>Contact PathSensors technical support for instructions on how to set the DPI value.</td>
</tr>
<tr>
<td>Sirius device communications problem. Application will abort. Contact Technical Support for assistance.</td>
<td>Data corruption on the luminometer communications port.</td>
<td>Contact PathSensors technical support for assistance</td>
</tr>
<tr>
<td>Centrifuge disconnected- please reconnect.</td>
<td>The centrifuge or relay box has become disconnected or is not functioning properly</td>
<td>Check centrifuge, relay module and computer connections. If problem persists contact PathSensors for technical service.</td>
</tr>
<tr>
<td>Reconstituted Cartridge has expired</td>
<td>The reconstituted assay cartridge has expired.</td>
<td>Discard expired cartridge and prepare a new vial of B cells</td>
</tr>
<tr>
<td>Cartridge ID not found in the reconstitution archive</td>
<td>The cartridge attempted to be used in a test has not been found in the reconstituted expiration archive database.</td>
<td>The Cartridge ID needs to be entered into the system via the “Reconstitution” section on the Admin Screen.</td>
</tr>
<tr>
<td>This cartridge ID has already been reconstituted.</td>
<td>The Cartridge ID just read in during the reconstitution phase was found in reconstitution archive database. Therefore the reconstitution will not be permitted to proceed.</td>
<td>Use only new Cartridge ID's when entering new reconstitution data into the archive.</td>
</tr>
<tr>
<td>Centrifuge relay unable to turn off. Please restart application.</td>
<td>The centrifuge was unable to turn off.</td>
<td>Close and restart the application through the hardware check sequence.</td>
</tr>
</tbody>
</table>
15. **End User License Agreement**

**Zephyr Software End User License Agreement**

IMPORTANT: PLEASE READ THE FOLLOWING ZEPHYR SOFTWARE END USER LICENSE AGREEMENT ("EULA") CAREFULLY BEFORE CONTINUING.

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